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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

6

### Complete If Known

Application Number	10/565,741
Filing Date	January 23, 2006
First Named Inventor	Yolande Chvatchko
Art Unit	1644
Examiner Name	

Attorney Docket Number

ARS-120

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
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### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/MH/	F1	WO 02/098917 A2 (CD-ROM)	12-12-2002	Curagen Corporation	All	
/MH/	F2	EP 1033401 A2 (CD-ROM)	09-06-2000	Genset	All	
	F3					
	F4					
	F5					
	F6					
	F7					

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Signature

/Maher Haddad/

Date  
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10/11/2007

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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/MH/	R1	ALTSCHUL, S.F. et al. "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , 1990, pp. 403-410, Vol. 215.		
	R2	ALTSCHUL, S.F. et al. "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Research</i> , 1997, pp. 3389-3402, Vol. 25, No. 17.		
	R3	ANTHONY-CAHILL, S.J. and MAGLIERY, T.J. "Expanding the Natural Repertoire of Protein Structure and Function," <i>Current Pharmaceutical Biotechnology</i> , 2002, pp. 299-315, Vol. 3.		
	R4	ARMALEO, D. et al. "Biostatic nuclear transformation of <i>Saccharomyces cerevisiae</i> and other fungi," <i>Curr Genet</i> , 1990, pp. 97-103, Vol. 17.		
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	R7	CASI, G. and HILVERT, D. "Convergent protein synthesis," <i>Current Opinion in Structural Biology</i> , 2003, pp. 589-594, Vol. 13.		
	R8	CHAI, H. et al. "Glycosylation and high-level secretion of human tumour necrosis factor- $\beta$ in recombinant baculovirus-infected insect cells," <i>Biotechnol. Appl. Biochem.</i> , 1993, pp. 259-273, Vol. 18.		
	R9	CHAN, J.Y.-H. et al. "Relationship between Novel Isoforms, Functionally Important Domains, and Subcellular Distribution of CD164/Endolyn," <i>The Journal of Biological Chemistry</i> , January 19, 2001, pp. 2139-2152, Vol. 276, No. 3.		
	R10	CLARK, A.J. "The Mammary Gland as a Bioreactor: Expression, Processing, and Production of Recombinant Proteins," <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1998, pp. 337-350, Vol. 3, No. 3.		
	R11	CLELAND, J.L. "The Development of Stable Protein Formulations: A Close Look at Protein Aggregation, Deamidation, and Oxidation," <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1993, pp. 307-377, Vol. 10, No. 4.		
	R12	CLELAND, J.L. "Emerging protein delivery methods," <i>Current Opinion in Biotechnology</i> , 2001, pp. 212-219, Vol. 12.		
/MH/	R13	CUNNINGHAM, B.C. and WELLS, J.A. "High-Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis," <i>Science</i> , June 2, 1989, pp. 1081-1085, Vol. 244.		

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				Group Art Unit	1644
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				Attorney Docket Number	ARS-120

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/MH/	R14	DOUGHERTY, D.A. "Unnatural amino acids as probes of protein structure and function," <i>Current Opinion in Chemical Biology</i> , 2000, pp. 645-652, Vol. 4.		
	R15	DOYONNAS, R. et al. "CD164 Monoclonal Antibodies That Block Hemopoietic Progenitor Cell Adhesion and Proliferation Interact with the First Mucin Domain of the CD164 Receptor," <i>The Journal of Immunology</i> , 2000, pp. 840-851, Vol. 165.		
	R16	FELDMAN, L.J. "Adenovirus-mediated arterial gene therapy for restenosis: problems and perspectives," <i>Semin Intervent Cardiol</i> , 1996, pp. 203-208, Vol. 1.		
	R17	GENDEL, S.M. "Sequence Analysis for Assessing Potential Allergenicity," <i>Annals New York Academy of Sciences</i> , 2002, pp. 87-98, Vol. 964.		
	R18	GENTZ, R. et al. "Bioassay for trans-activation using purified human immunodeficiency virus <i>tat</i> -encoded protein: Trans-activation requires mRNA synthesis," <i>Proc. Natl. Acad. Sci. USA</i> , February 1989, pp. 821-824, Vol. 86.		
	R19	GISH, W. and STATES, D.J. "Identification of protein coding regions by database similarity search," <i>Nature Genetics</i> , March 1993, pp. 266-272, Vol. 3.		
	R20	GOLEBIOWSKI, A. et al. "High-throughput organic synthesis of peptide mimetics," <i>Current Opinion in Drug Discovery and Development</i> , 2001, pp. 428-434, Vol. 4, No. 4.		
	R21	GONNET, G.H. et al. "Exhaustive Matching of the Entire Protein Sequence Database," <i>Science</i> , June 5, 1992, pp. 1443-1445, Vol. 256.		
	R22	GOR, D.O. et al. "T <sub>H</sub> 1-T <sub>H</sub> 2: a Procrustean paradigm," <i>Nature Immunology</i> , June 2003, pp. 503-505, Vol. 4, No. 6.		
	R23	GRADDIS, T.J. et al. "Designing Proteins That Work Using Recombinant Technologies," <i>Current Pharmaceutical Biotechnology</i> , 2002, pp. 285-297, Vol. 3.		
	R24	GUSTAFSSON, C. et al. "Codon bias and heterologous protein expression," <i>TRENDS in Biotechnology</i> , July 2004, pp. 346-353, Vol. 22, No. 7.		
▼	R25	HENIKOFF, S. and HENIKOFF, J.G. "Performance Evaluation of Amino Acid Substitution Matrices," <i>PROTEINS: Structure, Function, and Genetics</i> , 1993, pp. 49-61, Vol. 17.		
/MH/	R26	HERRICK, C.A. and BOTTOMLY, K. "To Respond or Not to Respond: T Cells in Allergic Asthma," <i>Nat Rev Immunol</i> , May 2003, pp. 405-412, Vol. 3.		

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**INFORMATION DISCLOSURE  
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Sheet

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of

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*Complete if Known*

Application Number	10/565,741
Filing Date	January 23, 2006
First Named Inventor	Yolande Chvatchko
Group Art Unit	1644
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/MH/	R27	HIGGINS, D.G. <i>et al.</i> "Using CLUSTAL for Multiple Sequence Alignments," <i>Methods in Enzymology</i> , 1996, pp. 383-402, Vol. 266.	
	R28	HRUBY, V.J. and BALSE, P.M. "Conformational and Topographical Considerations in Designing Agonist Peptidomimetics from Peptide Leads," <i>Current Medicinal Chemistry</i> , 2000, pp. 945-970, Vol. 7.	
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	R30	LEE, Y.-N. <i>et al.</i> "Identification of a Role for the Sialomucin CD164 in Myogenic Differentiation by Signal Sequence Trapping in Yeast," <i>Molecular and Cellular Biology</i> , November 2001, pp. 7696-7706, Vol. 21, No. 22.	
	R31	LENHARD, T. <i>et al.</i> "A new set of versatile vectors for the heterologous expression of foreign genes using the baculovirus system," <i>Gene</i> , 1996, pp. 187-190, Vol. 169.	
	R32	LUO, Y. and PRESTWICH, G. "Novel biomaterials for drug delivery," <i>Expert Opin. Ther. Patents</i> , 2001, pp. 1395-1410, Vol. 11, No. 9.	
	R33	MALIK, F. <i>et al.</i> "Polyethylene Glycol (PEG)-modified Granulocyte-Macrophage Colony-stimulating Factor (GM-CSF) with Conserved Biological Activity," <i>Exp. Hematol.</i> , 1992, pp. 1028-1035, Vol. 20.	
	R34	MARSHALL, S.A. <i>et al.</i> "Rational design and engineering of therapeutic proteins," <i>Drug Discov Today</i> , March 2003, pp. 212-221, Vol. 8, No. 5.	
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	R36	MUIR, T.W. "Semisynthesis of Proteins by Expressed Protein Ligation," <i>Annu. Rev. Biochem.</i> , 2003, pp. 249-289, Vol. 72.	
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↓	R38	NICOLAU, C. <i>et al.</i> "Liposomes as Carriers for <i>In Vivo</i> Gene Transfer and Expression," <i>Methods in Enzymology</i> , 1987, pp. 157-176, Vol. 149.	
/MH/	R39	OHNO, T. <i>et al.</i> "Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury," <i>Science</i> , August 5, 1994, pp. 781-784, Vol. 265.	

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/MH/	R40	PEARSON, W.R. and LIPMAN, D.J. "Improved tools for biological sequence comparison," <i>Proc Natl Acad Sci USA</i> , April 1988, pp. 2444-2448, Vol. 85.	
	R41	PILLAI, O. and PANCHAGNULA, R. "Polymers in drug delivery," <i>Current Opinion in Chemical Biology</i> , 2001, pp. 447-451, Vol. 5.	
	R42	ROGOV, S.I. and NEKRASOV, A.N. "A numerical measure of amino acid residues similarity based on the analysis of their surroundings in natural protein sequences," <i>Protein Engineering</i> , 2001, pp. 459-463, Vol. 14, No. 7.	
	R43	SCHELLEKENS, H. "Bioequivalence and the Immunogenicity of Biopharmaceuticals," <i>Nat Rev Drug Discov</i> , June 2002, pp. 457-462, Vol. 1.	
	R44	SMITH, G.E. et al. "Production of Human Beta Interferon in Insect Cells Infected with a Baculovirus Expression Vector," <i>Molecular and Cellular Biology</i> , December 1983, pp. 2156-2165, Vol. 3, No. 12.	
	R45	TASCON, R.E. et al. "Vaccination against tuberculosis by DNA injection," <i>Nature Medicine</i> , August 1996, pp. 888-892, Vol. 2, No. 8.	
	R46	TERPE, K. "Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems," <i>Appl Microbiol Biotechnol</i> , 2003, pp. 523-533, Vol. 60.	
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	R49	VASSEROT, A.P. et al. "Optimization of protein therapeutics by directed evolution," <i>Drug Discov Today</i> , February 2003, pp. 118-126, Vol. 8, No. 3.	
	R50	VILLAIN, M. et al. "Covalent capture: a new tool for the purification of synthetic and recombinant polypeptides," <i>Chemistry and Biology</i> , 2001, pp. 673-679, Vol. 8.	
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/MH/	R52	WATT, S.M. et al. "Functionally defined CD164 epitopes are expressed on CD34 <sup>+</sup> cells throughout ontogeny but display distinct distribution patterns in adult hematopoietic and nonhematopoietic tissues," <i>Blood</i> , May 15, 2000, pp. 3113-3124, Vol. 95, No. 10.	

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/MH/	R54	WILSON, I.A., et al. "The Structure of an Antigenic Determinant in a Protein," <i>Cell</i> , July 1984, pp. 767-778, Vol. 37.	
/MH/	R55	WONG, T.-K. et al. "Appearance of β-lactamase activity in animal cells upon liposome-mediated gene transfer," <i>Gene</i> , 1980, pp. 87-94, Vol. 10.	
/MH/	R56	ZANNETTINO, A.C.W. et al. "The Sialomucin CD164 (MGC-24v) Is an Adhesive Glycoprotein Expressed by Human Hematopoietic Progenitors and Bone Marrow Stromal Cells That Serves as a Potent Negative Regulator of Hematopoiesis," <i>Blood</i> , October 15, 1998, pp. 2613-2628, Vol. 92, No. 8.	
/MH/	R57	ZANNETTINO, A.C.W. "CD164," <i>J Biol Regul Homeostat Agents</i> , 2001, pp. 394-396, Vol. 15.	

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